

PROD 14-2-2

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CENTRAL INTELLIGENCE AGENCY  
Geography Division, ORR

Project Initiation Memorandum

To: Chief, Geographic Research

Project No.: 69.1776

From: Chief, Geography Division

Date: 4 June 1959

1. Subject of Proposed Project: Soviet Development on Geodesy and Geodetic Gravimetry and its Applicability of ICBM Operations.
2. Statement of Problem: (Outline to be attached)  
To summarize Soviet domestic and foreign activities in geodesy and gravimetry and their contribution to the improvement of Soviet accuracies between launch sites and targets.

3. Requester: Self-initiated to meet needs expressed by analysts engaged in study of Soviet ICBM capabilities, and to serve as basic study for future NIE production.
4. Responsible Analyst and Branch: [REDACTED] Special Research Branch

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5. Kind and Extent of Cooperation Desired from:
  - a. Other Divisions of the G Area (include maps):
  - b. D/GI Domestic Procurement:
  - c. Other parts of CIA: I/GM/RR; GMD/SI
  - d. Outside CIA: BMD/ARDC; AFCIN 30; AFCIN 4E4; GMIC; consultants
6. Estimated Man Hours in D/GG: 1,000
7. Probable Completion Date: December 1959
8. Probable Form of Final Publications: CIA/RR G, and ancillary current reporting in GR, GM and OCI Weekly publications.
9. Recommendations Regarding Distribution of Finished Report:

10. Comments:

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Approved: 25X1A9a

[REDACTED]  
Chief, Geography Division

10 JUN 1959

Chief, Geog [REDACTED]

Date

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10 JUN 1959

Assistant Director, ORR

Date

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PN 69.1776 - 4 June 1959

OUTLINE

- I. Summary of U.S. estimates of geodetic sources of error contributing to the CEP of ICBM operations.
  - A. Geodetic
  - B. Gravimetric
- II. Origins of error in classical geodesy.
  - A. Evolution of discordant national systems.
  - B. The problem of a multiplicity of geodetic datums.
  - C. The problem of intercontinental connections of various geodetic systems.
- III. Status of topographic mapping in Eurasia and the Western Hemisphere with respect to the problem of positioning of launch sites to targets of major industrial areas.
  - A. U. S.
  - B. U.S.S.R.
  - C. Europe
  - D. Middle East.
- IV. Methods of correcting intercontinental launch sites and targets.
  - A. Summary of the U. S. problem and programs.
  - B. The Soviet advantage and consequent program.
  - C. Prospects of intercontinental ties from earth satellites -- natural and artificial.
- V. Significance of the development of Soviet geodetic gravimetry and its applicability to intercontinental positioning of launch sites and targets.
  - A. The history of Soviet gravimetry -- personnel, programs, the instrument problem, gravity coverage.
  - B. Evolution of Soviet geodetic gravimetry -- theory and application.
  - C. The need for world-wide gravity coverage. Soviet efforts to increase data collection while withholding their own.